

Title (en)
LABELED NUCLEOTIDES AND USES THEREOF

Title (de)
MARKIERTE NUKLEOTIDE UND IHRE VERWENDUNGEN

Title (fr)
NUCLÉOTIDES MARQUÉS ET LEURS UTILISATIONS

Publication
EP 3752514 A4 20211103 (EN)

Application
EP 19754283 A 20190213

Priority
• US 201862710465 P 20180216
• US 2019017830 W 20190213

Abstract (en)
[origin: WO2019160937A1] A labeled nucleotide includes a nucleotide, a linking molecule attached to a phosphate group of the nucleotide, and a redox-active charge tag attached to the linking molecule. The redox-active charge tag is to be oxidized or reduced by an electrically conductive channel when maintained in proximity of a sensing zone of the electrically conductive channel.

IPC 8 full level
C07H 19/00 (2006.01); **C07H 19/10** (2006.01); **C07H 19/20** (2006.01); **C12Q 1/6851** (2018.01); **C12Q 1/6869** (2018.01); **G01N 27/26** (2006.01); **G01N 27/327** (2006.01); **G01N 33/483** (2006.01); **G01N 33/487** (2006.01)

CPC (source: EP KR US)
B01L 3/502 (2013.01 - US); **C07H 19/06** (2013.01 - US); **C07H 19/10** (2013.01 - EP KR); **C07H 19/20** (2013.01 - EP KR); **C12Q 1/6851** (2013.01 - EP); **C12Q 1/6869** (2013.01 - EP US); **G01N 27/3277** (2013.01 - EP KR); **G01N 33/48721** (2013.01 - EP KR); **B01L 2300/0663** (2013.01 - US); **B01L 2300/12** (2013.01 - US)

Citation (search report)
• [XYI] WO 2013056241 A2 20130418 - PACIFIC BIOSCIENCES CALIFORNIA [US]
• [X] WO 03021010 A2 20030313 - UNIV CALIFORNIA [US]
• [Y] WO 2017024049 A1 20170209 - PACIFIC BIOSCIENCES CALIFORNIA INC [US]
• [I] US 2016017416 A1 20160121 - BOYANOV BOYAN [US], et al
• See references of WO 2019160937A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019160937 A1 20190822; AU 2019222685 A1 20191219; AU 2019222685 B2 20210819; BR 112019025493 A2 20200901; CA 3065958 A1 20190822; CA 3065958 C 20230103; CN 111051324 A 20200421; EP 3752514 A1 20201223; EP 3752514 A4 20211103; IL 270920 A 20200130; JP 2020536487 A 20201217; JP 2022046478 A 20220323; JP 6987898 B2 20220105; KR 102415039 B1 20220630; KR 20200023281 A 20200304; MX 2019014137 A 20210129; PH 12019502907 A1 20201019; RU 2019139633 A 20210607; RU 2019139633 A3 20210607; SA 519410842 B1 20221114; SG 11201911570W A 20200130; US 11542550 B2 20230103; US 2020157618 A1 20200521; ZA 201907988 B 20220330

DOCDB simple family (application)
US 2019017830 W 20190213; AU 2019222685 A 20190213; BR 112019025493 A 20190213; CA 3065958 A 20190213; CN 201980003331 A 20190213; EP 19754283 A 20190213; IL 27092019 A 20191125; JP 2019571262 A 20190213; JP 2021195619 A 20211201; KR 20197036050 A 20190213; MX 2019014137 A 20190213; PH 12019502907 A 20191220; RU 2019139633 A 20190213; SA 519410842 A 20191218; SG 11201911570W A 20190213; US 201916626425 A 20190213; ZA 201907988 A 20191129